

AMENDMENTS TO THE CLAIMS

1. (previously presented) A silicone adhesive comprising (A) a reaction mixture and (B) a crosslinking agent, which crosslinking agent (B) is a combination of (a) an organohydrogenpolysiloxane having at least two silicon atom-bonded hydrogen atoms in a molecule, said crosslinking agent (B) being present in an amount to give 0.2 to 30 mol of silicon atom-bonded hydrogen atoms per mol of alkenyl radicals in component (A), and (b) a catalytic amount of a platinum base catalyst,

said reaction mixture (A) being obtained by subjecting

a partially condensed mixture of (i) a diorganopolysiloxane having a hydroxyl radical at each end of its molecular chain, represented by the general formula (1):



wherein R^1 and R^2 each are a substituted or unsubstituted monovalent hydrocarbon radical, the content of alkenyl radicals is 0.0005 to 0.1 mol% based on the total of R^1 and R^2 , and m is an integer of 500 to 10,000, and (ii) an organopolysiloxane copolymer having hydroxyl and alkenyl radicals in a molecule and comprising $\text{R}^3\text{SiO}_{1/2}$ units and SiO_2 units as main units in a molar ratio of $\text{R}^3\text{SiO}_{1/2}$ units to SiO_2 units between 0.5 and 1.5, wherein R^3 is a hydroxyl radical or a substituted or unsubstituted monovalent hydrocarbon radical, and

(iii) a compound of the general formula (2):



wherein R^4 and R^5 each are a substituted or unsubstituted monovalent hydrocarbon radical, and "a" is an integer of 0 to 2,

to addition reaction in the presence of a platinum base catalyst,

wherein the partially condensed organopolysiloxane mixture and component (iii) are blended in such proportions that the ratio Y/X , of the molar amount Y of SiH radicals in component (iii) to the molar amount X of alkenyl radicals in said partially condensed

organopolysiloxane mixture, is less than 1.0, and wherein component (iii) is blended and reacted in such amounts that 0.001 to 0.1 mole of alkenyl radicals are left per 100 g of the reaction mixture (A).

2. (cancelled).

3. (cancelled).

4. (original) A silicone adhesive film prepared by forming the adhesive of claim 1 into a film shape.

5. (original) A silicone rubber adhesive film prepared by forming the adhesive of claim 1 into a film shape, followed by crosslinking and curing.

6. (previously presented) A silicone adhesive comprising (A) a reaction mixture and (B) an organic peroxide crosslinking agent,

said reaction mixture (A) being obtained by subjecting to addition reaction in the presence of a platinum base catalyst a partially condensed mixture of (i) a diorganopolysiloxane having a hydroxyl radical at each end of its molecular chain, represented by the general formula (1):



wherein R^1 and R^2 each are a substituted or unsubstituted monovalent hydrocarbon radical, and m is an integer of 500 to 10,000, and (ii) an organopolysiloxane copolymer having hydroxyl and alkenyl radicals in a molecule and comprising $\text{R}^3\text{SiO}_{1/2}$ units and SiO_2 units as main units in a molar ratio of $\text{R}^3\text{SiO}_{1/2}$ units to SiO_2 units between 0.5 and 1.5, wherein R^3 is a hydroxyl radical or a substituted or unsubstituted monovalent hydrocarbon radical, and (iii) a compound of the general formula (2):



wherein R⁴ and R⁵ each are a substituted or unsubstituted monovalent hydrocarbon radical, and "a" is an integer of 0 to 2,

wherein component (iii) and said partially condensed organopolysiloxane mixture are blended in such proportions that the ratio Y/X of the molar amount Y of silicon atom-bonded hydrogen atoms in component (iii) to the molar amount X of alkenyl radicals in the partially condensed organopolysiloxane mixture is from 0.2 to 1.5.

7. (previously presented) The silicone adhesive of claim 6, wherein the ratio Y/X is from 0.5 to 1.2.

8. (currently amended) The silicone adhesive of claim 1, wherein R¹ and R² in component (i) are each are a substituted or unsubstituted monovalent hydrocarbon radical selected from the group consisting of methyl, vinyl, and phenyl, the content of vinyl radicals being 0.0005 to 0.1 mol% based on the total of R¹ and R².

9. (previously presented) The silicone adhesive of claim 1, wherein the content of alkenyl radicals in component (i) is from 0.001 to 0.05 mol%.

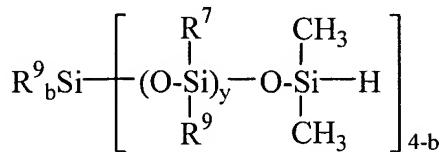
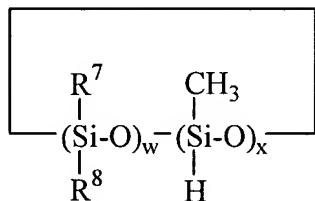
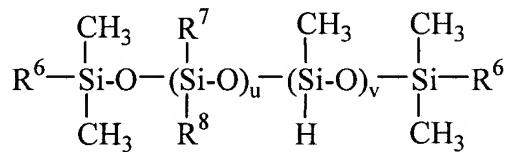
10. (previously presented) The silicone adhesive of claim 1, wherein the molar ratio of R³₃SiO_{1/2} units to SiO₂ units in component (ii) is between 0.6 and 1.2.

11. (previously presented) The silicone adhesive of claim 1, wherein 40 to 60 parts by weight of component (i) are blended with 60 to 40 parts by weight of component (ii) per 100 parts by weight of the total of components (i) and (ii) in reaction mixture (A).

12. (previously presented) The silicone adhesive of claim 1, wherein in component (iii) R^4 and R^5 each are methyl or ethyl and "a" is an integer of 0 or 1.

13. (previously presented) The silicone adhesive of claim 1, wherein 1 to 5 parts by weight of component (iii) are combined with 100 parts by weight of the total of components (i) and (ii) in reaction mixture (A).

14. (previously presented) The silicone adhesive of claim 1, wherein the organohydrogenpolysiloxane (a) in crosslinking agent (B) is a compound of one of the formulae:



wherein R^6 is hydrogen or a monovalent hydrocarbon radical, R^7 , R^8 , and R^9 each are a monovalent hydrocarbon radical, u is an integer of 0 to 500, v is an integer of 2 to 500, x is an integer of 2 to 6, w is an integer of 0 to 4, y is an integer of 0 to 300, and "b" is an integer of 0, 1, or 2.

15. (previously presented) The silicone adhesive of claim 6, wherein the organic peroxide crosslinking agent (B) is a member selected from the group consisting of benzoyl peroxide, bis(4-methylbenzoyl)peroxide, 2,4-dichlorobenzoyl peroxide, p-chlorobenzoyl peroxide, dicumyl peroxide, bis(t-butyl)peroxide, 2,5-dimethyl-2,5-bis(t-butylperoxy)hexane, and t-butylcumyl peroxide.